



## Faculty details proforma

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Title **Dr.** First Name **Sathyabhama Das** Last Name **BIJU**

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Department Department of Environmental Studies, Systematics Lab,  
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Education	Institution	Year	Details
PhD	Vrije Universiteit Brussel	2007	Animal Science (Amphibians)
PhD	Calicut University	1999	Botany (Angiosperms)
MSc	Kerala University	1987	Botany
BSc	Kerala University	1985	Botany (Zoology + Chemistry)

### Career Profile

Organisation / Institution	Designation	Duration	Role
University of Delhi	Professor	2012-till date	Research and teaching
University of Delhi	Associate Professor	2009-2012	Research and teaching
University of Delhi	Reader	2006- 2009	Research and teaching
Vrije Universiteit Brussel	Herpetologist	2004-2006	Research
TBGRI, Thiruvananthapuram	Scientist	1992-2004	Research

### Administrative assignments

**Dean:** Faculty of Science: May 2019 –

**Head:** Department of Environmental Studies, University of Delhi: May 2019 –

**Member:** Academic Council and Executive Council, University of Delhi: May 2019 –

**Chairperson and Member:** Various University and Department level committees

**2010-present:** Director, LOST! Amphibians of India <http://www.lostspeciesindia.org/LAI2/>

**2009-present:** Director, Western Ghats Network of Protected Areas for Threatened Amphibians (WNPATA) <http://www.wnpata.org/>

### Primary appointment/fellowship

Organization / Institution	Designation	Duration	Institutional support
National Museum of Natural History, France	Invited Researcher	April-June 2001	NMNH, France
Natural History Museum, London	Visiting Researcher	Aug-Nov 2003	INSA/Royal Society London
Natural History Museum, London	Visiting Researcher	Sep-Oct 2008	Royal Society London Fellowship

### Professional association

- Scientific Associate, Natural History Museum, London (NHM)
- Visiting Researcher/faculty Vrije Universiteit Brussel (VUB)
- Resource person/consultant for IUCN Red List database preparation for amphibians.
- Member: IUCN/ASG

### Awards and distinctions

IUCN/ASG SABIN award 2008 for amphibian research and conservation: citation and 25,000 US \$  
Sanctuary Asia Wildlife Service Award 2011: citation and 40,000 INR

### Research Interests / Specialization /Skills

Studying Indian amphibians with over 30 years of field experience and expeditions in countries across South, Southeast and East Asia, South America, and Europe. Discovered over 100 new species of amphibians and formally described about 95 species along with students and collaborators, including description of two new families and nine new genera. Additionally, discovered seven plant species. Published about 80 research papers in SCI indexed and peer-reviewed scientific journals, including Nature, Science, PNAS and Proceedings of Royal Society London.

Disciplines covered by research include ([expertise proven with publications](#)) **systematics, taxonomy, molecular phylogenetics, evolution, biogeography, reproductive and developmental biology, behavioral ecology, bioacoustics, anatomy, and biodiversity conservation.**

Currently serving as Project Director of the Western Ghats Network of Protected Areas for Threatened Amphibians (WNPATA) [www.wnpata.org](http://www.wnpata.org), which includes over 70 partners across the world. Project Director of LOST! Amphibians of India (LAI) [www.lostspeciesindia.org](http://www.lostspeciesindia.org).

**Other skills** [Nature Photography](#) Published over 300 images (in print) in journals and magazines including Nature, Science, National Geographic (cover), BBC Wildlife, The Economist (cover), The Guardian, The Telegraph, The New York Times, Geo Magazine, Time Magazine, Forbes, Outdoor Photography, Geographical, etc; and text books in over 12 international languages. [Scientific illustrations](#) Published about 200 scientific illustrations of plants and amphibians, including illustrations/artwork in scientific journals including Nature, Science, PNAS, Proceedings of the Royal Society London, Zoological Journal of Linnean Society, Zootaxa, Journal of Herpetology, Copeia, PLoS ONE, PeerJ, etc (amphibians); Taxon, Blumea, Kew Bulletin, Nordic Journal of Botany, Novon, Rheedeia, etc (plants).

### Subjects/Courses Taught

About 14 years (2006–) at University of Delhi (Dept. Environmental Biology, School of Environmental studies and Dept. of Environmental Studies)

Subject: **Biodiversity and Conservation Biology, Evolutionary Biology and Systematics, Natural Resource Conservation and Management, Environmental History and Environmentalism, Introduction to Environmental Studies.**

### Research Guidance

#### A. Supervision of Doctoral Thesis, awarded

1. **Ines Van Bocxlaer** 2010. A phylogenetic perspective on diversification and distribution patterns in neobatrachians radiation, VUB, Belgium. (Current position: Professor VUB, Belgium).
2. **Rachunliu G Kamei** 2013. Systematics, Reproductive Ecology and Conservation of Caecillians (Amphibia) of Northeast India, CSIR Fellow, University of Delhi (Current position: Postdoc, Marie Curie Fellow, The Natural History Museum, London).
3. **Ashish Thomas** 2013. Systematics, Reproductive Biology and Conservation of Indian Purple frog, *Nasikabatrachus*, CSIR Fellow, University of Delhi (Current position: Assistant Professor, University of Delhi).
4. **Robin Suyesh** 2014. Acoustic communication in the Bush Frog of Genus *Raorchestes* and *Pseudophilautus*, CSIR/UGC Fellow, University of Delhi (Current position: Assistant Professor, University of Delhi).
5. **Stephen Mahony** 2016. Systematic studies on the Asian horned frogs, Megophryinae: a molecular and morphological approach to resolve relationships within a taxonomically complex amphibian group, University College Dublin & University of Delhi (Current position: Postdoc, Marie Curie Fellow, The Natural History Museum, London).
6. **Sonali Garg** 2019. Integrative taxonomy, molecular phylogeny and biogeography of Indian ranoid frogs, UTA & CSIR Fellow, University of Delhi (Current position: Postdoctoral Research Associate, CSIR, Government of India).

**B. Supervision of Doctoral Thesis, under progress**

1. Akalabya Sarmah (UGC fellowship, Government of India)
2. Karan Bisht (UGC fellowship, Government of India)
3. Gopika C (CSIR fellowship, Government of India)
4. Taje Tajo (CSIR fellowship, Government of India)
5. Radhakrishnan Upadhyaya K (University fellowship)
6. Naitik Patel (WII, Govt. of India, co-supervision)
7. Bitupan Boruah (WII, Govt. of India, co-supervision)

**C. Supervision of Masters dissertation**

21 students (16 University of Delhi and 5 Overseas)

**Publication Profile****Impact factor**

[Scopus](#) 2750; h-index: 23 (till July 2020)

[Google Scholar](#) 4485; h-index: 29; i10-index: 53 (till July 2020)

**A. Books (Authored/Edited)**

1. Silent Valley-Whispers of Reasons (eds) TM Manoharan, SD Biju, TS Nayar and PS Easa, Kerala Forest Department, Thiruvananthapuram.
2. Vepu (in Malayalam), Publisher: TBGRI, Kerala
3. Muringa (in Malayalam), Publisher: TBGRI, Kerala
4. Thulasi (in Malayalam), Publisher: TBGRI, Kerala

**B. Monographs (\* corresponding author, # student publications)**

1. # Mahony S, Kamei RG, Teeling EC and **Biju SD\***. 2020. Taxonomic review of the Asian Horned Frogs (Amphibia: *Megophrys* Kuhl & Van Hasselt) of Northeast India and Bangladesh previously misidentified as *M. parva* (Boulenger), with descriptions of three new species **Journal of Natural History** 54: 119–194
2. # Garg S, Senevirathne G, Wijayathilaka N, Phuge S, Deuti K, Manamendra-Arachchi K, Meegaskumbura M and **Biju SD\***. 2018. An integrative taxonomic review of the South Asian microhylid genus *Uperodon*. **Zootaxa** 4384(1):1–88.
3. **Biju SD\***, Van Bocxlaer I, Mahony S, Dinesh KP, Radhakrishnan C, Zachariah A, Giri VB and Bossuyt F. A taxonomic review of the Night Frog genus *Nyctibatrachus* Boulenger, 1882 in the Western Ghats, India (Anura: Nyctibatrachidae) with description of twelve new species. **Zootaxa** 3029: 1–96.
4. # Garg S, Suyesh R, Das A, Jiang J, Wijayathilaka N, Amarasinghe AAT, Alhadi F, Vineeth KK, Aravind NA, Senevirathne G, Meegaskumbura M and **Biju SD\***. 2018. Systematic revision of *Microhyla* (Microhylidae) frogs of South Asia: a molecular, morphological, and acoustic assessment. **Vertebrate Zoology** 69(1): 1–71.
5. # Mahony S, Kamei RG, Teeling EC and **Biju SD\*** 2018. Cryptic diversity within the *Megophrys major* species group (Amphibia: Megophryidae) of the Asian Horned Frogs: Phylogenetic perspectives and a taxonomic revision of South Asian taxa, with descriptions of four new species. **Zootaxa** 4523 (1): 001–096.

**C. Research papers published in Refereed/Peer Reviewed Journals Research papers published in Academic Journals other than Refereed/Peer Reviewed Journals**

(\* corresponding author, # student publications)

**2019**

- 79 **Biju SD\***, Garg S, Kamei RG, and Maheswaran G. 2019. A new *Microhyla* species (Anura: Microhylidae) from riparian evergreen forest in the eastern Himalayan state of Arunachal Pradesh, India. **Zootaxa** 4674 (1): 100–116.
- 78 Bossuyt F, Schulte LM, Maex M, Janssenswillen S, Novikova PY, **Biju SD**, Van de Peer Y, Matthijs S, Roelants K, Martel A, and Van Bocxlaer I. 2019. Multiple Independent Recruitment of Sodefrin Precursor-Like Factors in Anuran Sexually Dimorphic Glands. **Molecular Biology and Evolution**, msz 115.
- 77 Das A, Garg S, Hamidy A, Smith EN and **Biju SD\***. 2019. A New species of *Micryletta* frog (Microhylidae) from Northeast India. **PeerJ** 7:e7012
- 76 Alhadi F, Hamidy A, Farajallah A, Munir M, Atmaja VY, Garg S, **Biju SD**, Smith EN. 2019. Rediscovery of *Micryletta inornata* (Boulenger, 1890) from Sumatra: redescription, molecular identity and taxonomic implications. **Zootaxa** 4613(1):111–126.
- 75 # Garg S and **Biju SD\***. 2019. New microhylid frog genus from Peninsular India with Southeast Asian affinity suggests multiple Cenozoic biotic exchanges between India and Eurasia. **Scientific Reports** 9 (1906): 1–13.

**2018**

- 74 # Garg S\*, Suyesh R, Das A, Jiang J, Wijayathilaka N, Amarasinghe AAT, Alhadi F, Vineeth KK, Aravind NA, Senevirathne G, Meegaskumbura M and **Biju SD\***. 2018. Systematic revision of *Microhyla* (Microhylidae) frogs of South Asia: a molecular, morphological, and acoustic assessment. **Vertebrate Zoology** 69(1): 1–71.
- 73 # Mahony S, Kamei RG, Teeling EC and **Biju SD\*** 2018. Cryptic diversity within the *Megophrys major* species group (Amphibia: Megophryidae) of the Asian Horned Frogs: Phylogenetic perspectives and a taxonomic revision of South Asian taxa, with descriptions of four new species. **Zootaxa** 4523 (1): 001–096.
- 72 # Garg S, Abhijit D, Kamei RG and **Biju SD\***. 2018. Delineating *Microhyla ornata* (Anura, Microhylidae): Mitochondrial DNA barcodes resolve century old taxonomic misidentification. **Mitochondrial DNA Part B**.
- 71 Sanchez E, **Biju SD**, Islam MM, Hasan M, Ohler A, Vences M and Kurabayashi A. 2018. Phylogeny and classification of Fejervaryan frogs (Anura: Dicroglossidae). **Salamandra** 54: 109 –116.
- 70 # Garg S, Senevirathne G, Wijayathilaka N, Phuge S, Deuti K, Manamendra-Arachchi K, Meegaskumbura M and **Biju SD\***. 2018. An integrative taxonomic review of the South Asian microhylid genus *Uperodon*. **Zootaxa** 4384(1):1–88.

**2017**

- 69 # Garg S. and **Biju SD\***. 2017. Description of four new species of Burrowing Frogs in the *Fejervarya rufescens* complex (Dicroglossidae) with notes on morphological affinities of *Fejervarya* species in the Western Ghats. **Zootaxa** 4277 (4): 451–490.
- 68 # Garg S, Suyesh R, Sandeep S and **Biju SD\***. 2017. Seven new species of Night Frogs (Anura, Nyctibatrachidae) from the Western Ghats Biodiversity Hotspot of India, with remarkably high diversity of diminutive forms **PeerJ** 5:e3007
- 67 # Mahony S, Foley NM, **Biju SD** and Teeling EC. 2017. Evolutionary History of the Asian Horned Frogs (Megophryinae): Integrative approaches to timetree dating in the absence of a fossil record. **Molecular Biology and Evolution** 34 (3): 744–771.

## 2016

- 66 # Garg S and **Biju SD\***. 2016. Molecular and Morphological Study of Leaping Frogs (Anura, Ranixalidae) with Description of Two New Species. **PLoS One**: 11(11).
- 65 # Willaert B, Suyesh R, Garg S, Giri VB, Bee MA and **Biju SD \***. 2016. A unique mating strategy without physical contact during fertilization in Bombay Night Frog (*Nyctibatrachus humayuni*) with the description of a new form of amplexus and female call. **PeerJ** 4:e2117.
- 64 Senevirathne G, Garg S, Kerney R, Meegaskumbura M and **Biju SD\***. 2016. Unearthing the fossorial tadpoles of the Indian Dancing Frog family Micrixalidae. **PLoS One** 11(3): e0151781
- 63 **Biju SD\***, Senevirathne G, Garg S, Mahony S, Kamei RG, Thomas A, Shouche Y, Raxworthy CJ, Meegaskumbura S and Bocxlaer Van I. 2016. *Frankixalus*, a new rhacophorid genus of tree hole breeding frogs with oophagous tadpoles **PLoS One** 11(1).
- 62 Senevirathne G, Thomas A, Kerney R, Hanken J, **Biju SD\*** and Meegaskumbura M. 2016. From clinging to digging: The postembryonic skeletal ontogeny of the Indian Purple Frog, *Nasikabatrachus sahyadrensis* (Anura: Nasikabatrachidae). **PLoS One** 11(3).
- 61 # Kamei RG and **Biju SD**. 2016. On the taxonomic status of *Ichthyophis husaini* Pillai & Ravichandran, 1999 (Amphibia: Gymnophiona: Ichthyophiidae). **Zootaxa** 4079 (1): 140–150.
- 60 Wijayathilaka N, Garg S, Senevirathne G, Karunarathna N, **Biju SD** and Meegaskumbura M. 2016. A new species of *Microhyla* (Anura: Microhylidae) from Sri Lanka: an integrative taxonomic approach. **Zootaxa** 4066 (3): 331–342.

## 2015

- 59 Meegaskumbura M, Senevirathne G, **Biju SD**, Garg S, Meegaskumbura S, Pethiyagoda R, Hanken J and Schneider CJ. Patterns of reproductive-mode evolution in Old World tree frogs (Anura, Rhacophoridae) **Zoologica Scripta** doi:10.1111/zsc.12121
- 58 Pedro LV, Frost DR, Richards SJ, Rodrigues MT, Stephen D, Matsui M, Raxworthy CJ, **Biju SD**, Moriarty E, Lemmon AR and Wheeler WC. The Impact of Anchored Phylogenomics and Taxon Sampling on Phylogenetic Inference in Narrowmouthed Frogs (Anura, Microhylidae) **Cladistics** (2015) 1–28.
- 57 # Thomas A and **Biju SD\*** Tadpole consumption is a direct threat to the Endangered Purple frog *Nasikabatrachus sahyadrensis* **Salamandra** 51(3): 252–258.

## 2014

- 56 # Thomas A, Suyesh R, **Biju SD\*** and Bee MA. Vocal behavior of the elusive Purple frog of India (*Nasikabatrachus sahyadrensis*), a fossorial species endemic to the Western Ghats. **PLOS ONE** 9(2).
- 55 **Biju SD\***, Garg S, Gururaja, KV, Yogesh S and Sandeep AW. DNA barcoding reveals unprecedented diversity in Dancing Frogs of India (Micrixalidae, *Micrixalus*): a taxonomic revision with description of 14 new species. **Ceylon Journal of Science (Biological Sciences)** 43 (1): 37–123.
- 54 **Biju SD\***, Garg S, Mahony S, Wijayathilaka, Senevirathne G and Meegaskumbura M. DNA barcoding, phylogeny and systematics of Golden-backed frogs (*Hylarana*, Ranidae) of the Western Ghats-Sri Lanka biodiversity hotspot, with the description of seven new species. **Contributions to Zoology** 83 (4) 269–335.

## 2013

- 53 Bee MA, Suyesh R and **Biju SD**. The vocal repertoire of *Pseudophilautus kani*, a shrub frog (Anura:

- Rhacophoridae) from the Western Ghats of India. **Bioacoustics** 22:67–85.
- 52 # Mahony S, Teeling EC and **Biju SD\***. Three new species of horned frogs, *Megophrys* (Amphibia: Megophryidae), from northeast India, with a resolution to the identity of *Megophrys boettgeri* populations reported from the region. **Zootaxa** 3722 (2): 143–169.
- 51 Bee MA, Suyesh R and **Biju SD**. Vocal behavior in the Ponmudi bush frog: repertoire and individual variation. **Herpetologica** 69, 22–35
- 50 # Kamei RG, Gower DJ, Wilkinson M and **Biju SD\***. Systematics of the caecilian family Chikilidae (Amphibia: Gymnophiona) with the description of three new species of *Chikila* from northeast India. **Zootaxa** 3666 (4): 401–435
- 49 **Biju SD\***, Kamei RG, Mahony S, Thomas A, Garg S, Robin S and Sircar G. Taxonomic review of the tree frog genus *Rhacophorus* (Anura: Rhacophoridae), from the Western Ghats, India, with description of ontogenetic colour changes and reproductive behaviour, **Zootaxa** 3636 (2): 257–289.

#### 2012

- 48 # Kamei RG, Mauro DS, Gower DJ, Bocxlaer IV, Sherratt E, Thomas A, Babu S, Bossuyt F, Wilkinson M and **Biju SD\***. 2012. Discovery of a new family of amphibians from Northeast India with ancient links to Africa. **Proceedings of the Royal Society B, London** 279 (1737): 2396–2401.
- 47 Gascon C, Collins JP, Church DR, Moore RD, Andreone F, Bishop P, **Biju SD** (and others). 2012. Scaling a global plan into regional strategies for amphibian conservation. **Alytes** 2012, 29 (1–4): 15–27.

#### 2011

- 46 # Van Bocxlaer I, **Biju SD**, Willaert B, Giri VB, Shouche YS and Bossuyt F. Mountain-associated clade endemism in an ancient frog family (Nyctibatrachidae) on the Indian subcontinent. **Molecular Phylogenetics and Evolution** 62: 839–847.
- 45 # Mahony S, Sengupta S, Kamei RG and **Biju SD\***. A new low altitude species of *Megophrys* Kuhl and Van Hasselt (Amphibia: Megophryidae), from Assam, northeast India. **Zootaxa** 3059: 36–46.
- 44 **Biju SD\***, Van Bocxlaer I, Mahony S, Dinesh KP, Radhakrishnan C, Zachariah A, Giri VB and Bossuyt F. A taxonomic review of the Night Frog genus *Nyctibatrachus* Boulenger, 1882 in the Western Ghats, India (Anura: Nyctibatrachidae) with description of twelve new species. **Zootaxa** 3029: 1–96.
- 43 Gower DJ, Diego SM, Giri VB, Bhatta G, Venu G, Ramachandran K, Oommen OV, Fatih FA, Mackenzie-Dodds, JA, Nussbaum RA, **Biju SD**, Shouche YS and Wilkinson M. 2011. Molecular systematics of caeciliid caecilians (Amphibia: Gymnophiona) of the Western Ghats, India. **Molecular Phylogenetics and Evolution** 59: 698–707.

#### 2010

- 42 Hoffmann, M. .... **Biju SD** (and others). 2010. The impact of conservation on the status of the world's vertebrates. **Science** 330: 1503–1509.
- 41 # Van Bocxlaer I, Loader SP, Roelants K, **Biju SD**, Menegon M and Bossuyt F. 2010. Gradual adaptation toward a range-expansion phenotype initiated the global radiation of toads. **Science** 327: 679–682.
- 40 **Biju SD\***, Mahony S and RG Kamei. 2010. Description of two new species of torrent frog, *Amolops* Cope (Anura: Ranidae) from a degrading forest in the northeast Indian state of Nagaland. **Zootaxa** 2408: 31–46.
- 39 **Biju SD\***, Shouche YS, Dubois A, Dutta SK and Bossuyt F. 2010. A ground-dwelling rhacophorid

frog from the highest mountain peak of the Western Ghats of India. **Current Science** 98: 1119–1125.

#### 2009

- 38 # Kamei RG, Wilkinson M, Gower DJ and **Biju SD\***. 2009. Three new species of striped *Ichthyophis* (Amphibia: Gymnophiona: Ichthyophiidae) from the northeast Indian states of Manipur and Nagaland. **Zootaxa** 2267: 26–42.
- 37 **Biju SD\***, Van Bocxlaer I, Giri VB, Loader SP and Bossuyt F. 2009. Two new endemic genera and a new species of toad (Anura: Bufonidae) from the Western Ghats of India. **BMC Research Notes** 2:241.
- 36 **Biju SD\***. 2009. A novel nesting behaviour of a treefrog, *Rhacophorus lateralis* in the Western Ghats, India. **Current Science** 97: 433–437.
- 35 # Van Bocxlaer I, **Biju SD**, Loader SP and Bossuyt F. 2009. Toad radiation reveals into-India dispersal as a source of endemism in the Western Ghats-Sri Lanka biodiversity hotspot. **BMC Evolutionary Biology** 9:131.
- 34 **Biju SD\*** and Bossuyt F. 2009. Systematics and phylogeny of *Philautus* Gistel, 1848 (Anura, Rhacophoridae) in the Western Ghats of India, with descriptions of 12 new species. **Zoological Journal of the Linnean Society** 155: 374–444.

#### 2008

- 33 **Biju SD**, Roelants K and Bossuyt F. 2008. Phylogenetic position of the montane treefrog *Polypedates variabilis* Jerdon, 1853 (Anura: Rhacophoridae), and description of a related species. **Organisms, Diversity and Evolution** 8: 267–276.

#### 2007

- 32 **Biju SD**, Van Bocxlaer I, Giri VB, Roelants K, Nagaraju J and Bossuyt F. 2007. A new nightfrog, *Nyctibatrachus minimus* sp. nov. (Anura: Nyctibatrachidae): the smallest frog from India. **Current Science** 93: 854–858.
- 31 Roelants K, Gower DJ, Wilkinson M, Loader SP, **Biju SD**, Guillaume K, Moriau L and Bossuyt F. 2007. Global patterns of diversification in the history of modern amphibians. **Proc. Natl. Acad. Sci., USA** 104: 887–892.

#### 2006

- 30 # Van Bocxlaer I, Roelants K, **Biju SD**, Nagaraju J and Bossuyt F. 2006. Late Cretaceous vicariance in Gondwanan amphibians. **PLoS ONE** 1: e74.
- 29 **Biju SD** and Bossuyt F. 2006. Two new species of *Philautus* (Anura, Ranidae, Rhacophorinae) from the Western Ghats, India. **Amphibia-Reptilia** 27: 1–9.

#### 2005

- 28 **Biju SD** and Bossuyt F. 2005. Two new *Philautus* (Anura, Ranidae, Rhacophorinae) from Ponmudi Hill in the Western Ghats of India. **Copeia** 2005: 29–37.
- 27 **Biju SD** and Bossuyt F. 2005. A new species of frog (Ranidae, Rhacophorinae), *Philautus* from the rainforest canopy in the Western Ghats, India. **Current Science** 88: 175–178.
- 26 **Biju SD** and Bossuyt F. 2005. A new species of *Philautus* (Anura, Ranidae, Rhacophorinae) from Ponmudi hill in the Western Ghats of India. **Journal of Herpetology** 39: 349–353.

#### 2003

- 25 **Biju SD** and Bossuyt F. 2003. New frog family from India reveals an ancient biogeographical link with the Seychelles. **Nature** 425: 711–714.
- 24 **Biju SD**. 2003. Reproductive mode in the shrub frog *Philautus glandulosus* (Jerdon, 1853) (Anura: Rhacophoridae). **Current Science** 84: 283–284.

#### 2001

- 23 **Biju SD**. 2001. A synopsis to the frog fauna of the Western Ghats, India. ISCB- Occasional

Publication 1:1–24.

- 22 Dubois A, Ohler A and **Biju SD**, 2001. A new genus and species of Ranidae (Amphibia, Anura) from south-western India. **Alytes** 19: 53–79.

2000

- 21 **Biju SD**. 2000. Two frogs and hundred years. Biodiversity India, ISCB- Publication 8-12: 10–11.

#### Plant Publications

- 20 **Biju SD**. 2002. Lectotypification of two Linnaean specific names in Convolvulaceae. *Taxon* 51: 755–757.
- 19 **Biju SD**. 2002. Relocation of *Impatiens anaimudica* C. Fischer and taxonomic status of *I. konalarensis* Chandrab. et al. **Rheedea** 11: 109–113.
- 18 **Biju SD**. 2002. *Ipomoea parasitica* (Kunth) G. Don (Convolvulaceae): A new record for India. **Rheedea** 22: 77–79.
- 17 **Biju SD\*** and Kumar M. 2000. Rediscovery of *Impatiens johnii* Barnes (Balsaminaceae), An endemic balsam from Eravikulam National Park, Kerala, India. **Indian Jour. Forest.** 22: 174–176.
- 16 **Biju SD\***, Pushpangadan P and Mathew P. 1999. *Stictocaedia sivarajanii*, a new species of Convolvulaceae from Kerala, India. **Novon** 9: 147–149.
- 15 **Biju SD\***, Mathew P and Kumar M. 1998. *Ipomoea mombassana* Vatke (Convolvulaceae)- A new record for India. **Jour. Econ. Tax. Bot.** 22(2): 471–473.
- 14 **Biju SD\*** and Mathew P. 1994. *Merremia hirta* (L.) Merril (Convolvulaceae)- A new record from Peninsular India. **Jour. Econ. Tax. Bot.** 18: 181–183.
- 13 **Biju SD\*** and Mathew P. 1993. *Merremia cissoides* (Convolvulaceae)- A new record for India, **Jour. Bombay Nat. Hist. Soc.** 90: 121–122.
- 12 Sivarajan VV, **Biju SD** and Mathew P. 1993. Taxonomy and nomenclature of some India specie of *Hedyotis* (Rubiaceae). **Kew Bull.** 48: 391–395.
- 11 **Biju SD**, George EJ, Sivarajan VV and Mathew P. 1992. Notes on the identity and nomenclature of two herbaceous species of *Hedyotis* L. (Rubiaceae). **Rheedea** 2: 11–18.
- 10 Sivarajan VV, **Biju SD** and Mathew P. 1992. Revision of the genus *Psilanthus* Hook.f. (Rubiaceae, tribe Coffeae), in India. **Bot. Bull. Accademia Sinica** 33: 209–224.
- 9 Mathew P and **Biju SD**. 1991. *Lepistesmon verdcourtii*, A new species of Convolvulaceae from India, with notes on *L. binectariferum* and *L. leiocalyx*. **Kew Bull.** 46: 559–562.
- 8 Kunju ATV, Mathew P and **Biju SD**. 1990. *Diodia teres* Walt. (Rubiaceae)- A new record for India. **Indian Jour. Forestry** 13: 351–352.
- 7 Sivarajan VV and **Biju SD**. 1990. Taxonomic and nomemclatural notes on the *Hedyotis corymbosa* complex (Rubiaceae) in India. **Taxon** 39: 665–674.
- 6 Sivarajan, VV, Pradeep, AK and **Biju SD**. 1989. *Pterocymbium tinctorium* (Blanco.) Merr. var. *javanicum* (R. Br.) Kosterm. (Sterculiaceae)- A new introduction to India. **Jour. Forestry** 5: 5–8.

#### Publications in edited books

- 5 **Biju SD**, Kamei RG, Bhatta G, Giri VB, Cox NA, Das I and Bossuyt F. 2008. Diversity and Conservation Status of the Western Ghats Amphibians In: Stuart SN, Hoffmann M, Chanson JS, Cox NA, Berridge R, Ramani P and Young BE (eds). *Threatened Amphibians of the World*. Lynx Ediciones, with IUCN - The World Conservation Union, Conservation International, and Nature Serve, Barcelona.
- 4 Bain R, **Biju SD**, Brown R, Das I, Diesmos A., Dutta S, Gower DJ, Inger R, Iskandar D, Kaneko Y, Lau MWN, Meegaskumbura M, Ohler A, Papenfuss T, Pethiyagoda R, Stuart B, Wilkinson M and F Xie. 2008. Amphibians of the Indomalayan Realm. In: Stuart SN,



- Hoffmann M, Chanson JS, Cox NA, Berridge R, Ramani P and Young BE (eds). Threatened Amphibians of the World. Lynx Ediciones, with IUCN - The World Conservation Union, Conservation International, and Nature Serve, Barcelona.
- 3 Sanjappa M, Sathish CK and **Biju SD**. 2002. Indian Brushes with Orchids: Orchid Icons of Central National Herbarium, Botanical Survey of India and Tropical Botanic Garden and Research Institute- special issue 1–4.
- 2 **Biju SD**. 1999. Chronicles of Discoveries-The Pursuit of Plants, pp. 145–174. In Silent Valley-Whispers of Reasons, Manoharan TM, **Biju SD**, Nayar TS and Easa PS (eds). Kerala Forest Department, Thiruvananthapuram.
- 1 Rajasekharan S, Pushpangadan P and **Biju SD**. 1996. Folk medicine of Kerala: A study on native traditional folk healing art and its practitioners, pp. 167–172. Ethnobiology in Human welfare (ed) SK Jain, Deep Publications, New Delhi.

### Articles in Magazines

- 5 Biju S.D. 2008. Discovering new species: India's amphibian diversity, The Hindu Survey of the Environment
- 4 Biju SD. 2007. Taxonomy- the tragedy of nameless extinction. The Hindu Survey of the Environment
- 3 Biju SD. 2009. WANTED - millions of name. The Hindu Survey of the Environment.
- 2 Biju SD. 2011. LOST! Amphibians of India. The Hindu Survey of Environment.
- 1 Biju SD. 2007. The frog's Prints. Sanctuary Asia  
Published **43 articles** in The Hindu, The Indian Express, Times of India, Sanctuary Asia etc.

### Research projects (Major Grants/Research Collaboration) from 2006

Duration	National	International	Total
2007-2017	~1,13,00,000 (INR) ~2,10,000 (USD)	~1,19,00,000 (INR) ~2,21,000 (USD)	~2, 32,00,000 (INR) ~4,31,000 (USD)

### Research collaborations

National Centre for Cell Science, Pune, India; Vrije Universiteit Brussel, Belgium; Natural History Museum, London; Peradeniya University of Peradeniya, Sri Lanka; Animal Communication Lab, University of Minnesota, USA; Gettysburg College, USA; University College Dublin, Ireland; Chengdu Institute of Biology, China.

### Association with professional bodies

#### Editing

Editor/editorial Member: Asian Herpetological Research, Hamadryad and Sri Lankan Journal of Biology

#### Reviewing

Proceedings of Royal Society London, London | Proceedings of National Academy of Sciences, USA | Journal of Natural History | Journal of Biogeograph | Zootaxa | Zookeys | Alytes | Hamadryad | Zoological Journal of Linnaean Society | Biological Journal of Linnaean Society | Current Science | Herpetological Review (USA) | ZSI Journals | Copeia | Journal of Herpetology | Asian Herpetological Research | PLoS One | PeerJ | Amphibia-Reptilia | Herpetological Monographs | Molecular Phylogenetics and Evolution | Salamandra | Zoological Science | Acta Zoologica | Zoological Scripta | Evolutionary Systematic, etc

#### Project evaluations/selection committees/PhD examiners (selected)

**Project evaluation** National Geographic Society; DST, Government of India; MoEF, Government of India; DBT, Government of India; CEPF, Conservation International, USA; Rufford Foundation. **Selection committee** MHRD fellowships, including Commonwealth fellowship, DAAD, etc; KVPY, DST, MoEF, etc. **PhD examiner** various Universities and Institutes (e.g., Indian Institute of Science (IISc), Bangalore; Wildlife Institute of India (WII), Dehradun; Saurashtra University, Gujarat etc).

## Committees and Boards

**Member** Board of Research Studies, University of Delhi (2012-); Faculty of Science, University of Delhi (2012-); IUCN Species Survival Commission Amphibian Specialist Group; **Advisory member** National Museum of Natural History, New Delhi, Government of India; Birbal Sahni Institute of Paleosciences, Government of India

## Research highlighted in scientific journals (selected) For more visit [www.frogindia.org](http://www.frogindia.org)

- nature** 2012 (483:8). New amphibians with no limbs, [in print](#).  
**nature** 2014. Images of the month: May 2014, [in print](#).  
**nature** 2014. Top 10 cutest animal discoveries of 2014, [in print](#).  
**nature** 2016 (529:442). The week in Science, [in print](#).  
**Science** 2016. New mating position, [in print](#).

## Research achievements highlighted in reputed magazines/newspapers (selected)

For more visit [www.frogindia.org](http://www.frogindia.org)

-  Editor's Picks' "TOP 10 Animal Stories of 2014" Thomas *et al.*, 2014, **PLoS One**  
 Editor's Picks' "TOP 10 Animal Stories of 2014" Biju *et al.*, 2014, **SJB**  
 3 in top 10 Discoveries of 2012: Kamei *et al.*, 2012, **Pro. Roy. Soc. London**  
 Best photo of the day: 21 Feb 2017. Garg *et al.*, 2017, **PeerJ**

## Conference organization/ Presentations

### A. Organization of Conference

1. WNPATA, an International Conference and Workshop, Amphibian Conservation, University of Delhi, 2010
2. WNPATA, a National Conference, Kerala Forest Department, 2011

### B. Participation as Paper/Poster Presenter (2008 onwards)

1. Adaptive radiation of toads (Bufonidae) reveals a refugium role for the Indian subcontinent during the Late Oligocene Early Miocene. 2008. 15th Benelux Congress of Zoology, Lirge, Belgium.
2. Identification of hotspots of frog endemism in the Western Ghats, India, 2008. 6th World Congress of Herpetology, Manaus, Brazil.
3. Distribution of species diversity in the Western Ghats, India, 2008. 6th World Congress of Herpetology, Manaus, Brazil.
4. Evolutionary relationships between Indian and South East Asian frogs, 2008. 6th World Congress of Herpetology, Manaus, Brazil.
5. Human induced amphibian decline, 2012. IUCN World Conservation Congress, Jeju, South Korea.

### C. Invited/special lecture (selected from over 100). For more visit [www.frogindia.org](http://www.frogindia.org)

1. LIFE: understanding with uncertain knowledge – halting human induced amphibian extinction, 2012. School of Biological Sciences, Seoul University, Korea.
2. Counting India's Amphibian diversity – Are we there yet? 2012. Plenary lecture at 5th Asian Herpetological Conference, Chengdu, China.
3. Biodiversity and Conservation: Lessons from Amphibians 2012. National Academy of Sciences India.
4. Lost! Amphibians of India, 2012. TEDx, Sri Jayachamrajendra College of Engineering, Mysore, India.
5. Northeast India: an overlooked center of caecilian diversity. 7th World Congress of Herpetology, Vancouver, Canada.
6. Lost! Amphibians of India, 2011. IUCN/ASG, GWC, Columbia.
7. LIFE: understanding with uncertain knowledge – halting human induced amphibian extinction, 2011. Science Academies' Lecture Workshop (INSA, NASI, IASc), New Delhi, India.

8. Lost! Amphibians of India, 2012. Department of Zoology, University of Peradeniya, Sri Lanka
9. Award Acceptance, Sanctuary Asia: Wildlife Service Award 2011, Mumbai.
10. Award Acceptance Lecture, IUCN/ASG Sabin Award 2008, New York, USA.
11. Where is the Amphibian Hotspot? 2008. National Museum of Natural Sciences, Madrid, Spain.
12. Amphibians of India, 2008. Conservation International, Washington DC, USA.
13. Nasikabatrachus: a new family, 2003. Darwin lecture, Natural History Museum, London.
14. Nasikabatrachus: a new family, 2003. BBC Radio, London.

**Research in media** (selected from over 2000 coverage) For more visit [www.frogindia.org](http://www.frogindia.org)

Garg and Biju 2019

[BBC New](#) 'mysterious' frog species discovered in India's Western Ghats; [The Independent](#) The 'Mysterious' new frog species discovered in roadside puddle

Garg and Biju 2017

[BBC New](#) frog species discovered in India's Western Ghats; [Huffington Post](#) The discovery of four new frog species confirms Western Ghats.

Garg et al. 2017

[National Geographic](#) 7 M&M-Size frog species found, among world's smallest; [BBC](#) Meet the frog that can sit on a thumbnail; [CNN](#) Scientists discover coin-sized night frogs in India; [The Washington Post](#) Scientists discover new frog species small enough to sit on a fingernail; [Daily Mail](#) The fingernail frogs: Seven tiny new species of amphibians are discovered in India; [The Guardian](#) 13.6 mm Night frog.

Willaert et al. 2016

[Science](#) New mating position observed in Bombay night frogs; [The Guardian](#) Froggy style: unique mating position of Bombay night frogs finally revealed; [National Geographic](#) New mating position adds to Frog Kama Sutra; [New Scientist](#) Doing it froggy style: Kermit Sutra's seventh position revealed; [The Telegraph](#) Freaky froggy style sex position discovered in India; [The Late Show with Stephen Colbert](#).

Senevirathne et al. 2016

[BBC](#) 'Dancing' tadpoles discovered in India's Western Ghats; [BBC Earth](#) These newly-discovered frogs have really weird tadpoles; [News Week](#) Tadpole found that spend life underground, eating sand; [Washington Post](#) It took scientists 125 years to find these tadpoles; [BBC News](#) India's maverick 'frog man'.

Biju et al. 2016

[BBC TV News](#) treehole frog; [BBC News](#) 'Extinct' tree frog rediscovered in India after 137 years'; [BBC TV Global](#); [National geographic](#) 'Extinct' frog rediscovered after 150 years, eats mom's eggs; [The Guardian](#) Scientists find tree frog believed extinct for more than 100 years; [The Telegraph](#) Tree frog believed to be extinct for more than 100 years rediscovered; [The Independent](#) Tree frog thought extinct for 137 years rediscovered; [CNN](#) Century-old tree frog rediscovered in India; [News Week](#) Frog discovered that breeds in the tree holes.

Biju et al. 2014

[National geographic](#) Surprising inner-city frog among 7 new species found in Asia.

Biju et al. 2014

[BBC](#) Indian scientists discover new species of 'dancing frogs'; [The Guardian](#) Dancing frog species discovered in Indian jungle mountains; [The Independent](#) 14 new 'dancing' frogs discovered; [Scientific American](#) 14 New species of endangered "Dancing" frogs discovered in India.

Thomas et al. 2014

[National Geographic](#) Weird Purple frog seduces females from underground

Kamei et al. 2014

[BBC](#) New amphibian family find for India; [National Geographic](#) New amphibians without arms or legs discovered; [The Guardian](#) A newly discovered legless amphibian; [The New York Times](#) Wormlike amphibians populate Indian soil; [CNN](#) Scientists: New amphibian family augurs more India discoveries.

Biju et al. 2011

[National Geographic](#) Meowing Night Frog, Other new species found.

Biju et al. 2010

[BCC](#) Unique frog species discovered by scientists in India.

Biju et al. 2009

[BCC](#) Nest-making frogs found in India.

Biju and Bossuyt 2009x

[National Geographic](#) Dozen Frog Species Discovered in India's Western Ghats.

Biju and Bossuyt 2003

[BBC](#) Purple frog delights scientists; [National Geographic](#) Frog discovery is "Once in a Century"; [CNN](#) Frog that hopped with dinosaurs found.

**News/features about SD Biju** (selected from over 350). For more visit [www.frogindia.org](http://www.frogindia.org)

**The Economist** The Frog hunters (cover story)

**BBC Global New** Tree hole frog

**BBC World News** Tree hole frog

**Sanctuary Asia** Meet SD Biju (interview)

**BBC News** India's maverick 'frog man'

**BBC Radio** Frogman (interview)

**The New York Times** Wormlike amphibians populate Indian soil

**Forbes** Night song of the frog (interview)

**GEO Magazine** Storm in the frog pond

**Man's World** The patron saint of amphibians (interview)

**The Late Show with Stephen Colbert** Frog new mating Position

**CNN/IBN** 30 minute move: Mad about frogs:

**India Today** We must learn to celebrate science

**India Education review** (interview)

**Motherboard** Having the with India's Frogman